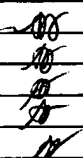
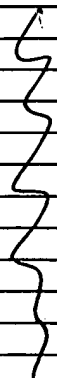


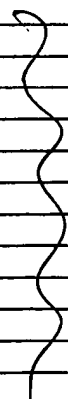




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| Substitute for form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | Complete if Known | | |
| | | | Application Number | Not Yet Assigned 10/031,442 | |
| | | | Confirmation Number | Not Yet Assigned | |
| | | | Filing Date | January 22, 2002 | |
| | | | First Named Inventor | Takuya MIYAKAWA | |
| | | | Art Unit | Not Yet Assigned 2853 | |
| | | | Examiner Name | Not Yet Filed AN H. DO | |
| | | | Attorney Docket Number | Q68151 | |
| Sheet | 1 | of | 1 | | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|-----------------|--------------------------------------|--------------------------------|---|
| Examiner Initials* | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | | Number | Kind Code ² (if known) | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--|--|------------------------------|--|--------------------------------------|--------------------------------|---|--|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Translation ⁶ |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | |
|  |  | JP | 63-81050  | A | 04/11/88 |  |  |
| | | JP | 64-87359  | A | 03/31/89 | | |
| | | JP | 4-345883  | A | 12/01/92 | | |
| | | JP | 11-152569 | A | 06/08/99 | | |
| | | JP | 2000-326514 | A | 11/28/00 | | |
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| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation ⁶ |
| | | Patent Abstract of Japan 63081050 A, 04/11/88 | |
| | | Patent Abstract of Japan 01087359 A, 03/31/89 | |
| | | Patent Abstract of Japan 04345883 A, 12/01/92 | |
| | | Patent Abstract of Japan 11152569 A, 06/08/99 | |
| | | Patent Abstract of Japan 20000326514 A, 11/28/00 | |

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|--------------------|------------------------|
| Examiner Signature | Date Considered 8/9/04 |
|--------------------|------------------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.